

FCC ID: 2BAWSRDL-NA

Frequency	Power Density(mW/cm2)	Averaging Time(minutes)
300MHz-1.5GHz	F/1500	30
1.5GHz-100GHz	1.0	30

2. Estimation Result

Mode	Max PK Output Power(dBm)	Tune Up Power(dBm)	Max Tune Up Power(mW)	Antenna Gain(dBi)	Antenna Gain (linear)	MPE (mW/cm²)	Power Density(m W/cm2 Limit	Result
11b 2412MHz	17.14	18±1(19)	79.433	0.5	1.122	0.017731	1.0	PASS
$Pd = \frac{Pout * G}{4\pi r^2}$								
Note:								
Note: The estimation distance is 20cm.								
Note: PK Output power=conducted power. Conducted power see the test report 23032013ER-63.								

[illegible]

BT: Worst case

Mode	Reading result (dBμV)	Conducted power(dBm)	Tune Up Power(dBm)	Max Tune Up Power (mW)	MPE (mW/cm²)	Power Density (mW/cm2) Limit	Result
GFSK 2402 MHz	92.27	-2.93	-2±1(-1)	0.794	0.000158	1.0	PASS
$Pd = \frac{P_{out} * G}{4\pi r^2}$							
Note:							
Note: The estimation distance is 20cm.							
Note: Reading result see the test report 23032013ER-61.							
EIRP= Reading result - 95.2							

BLE: Worst case

Mode	Reading result (dBμV)	EIRP(dBm)	Tune Up Power(dBm)	Max Tune Up Power (mW)	MPE (mW/cm²)	Power Density (mW/cm2) Limit	Result
GFSK 2402MHz	96	0.8	1±1(2)	1.585	0.000315	1.0	PASS

$$Pd = \frac{P_{out} * G}{4\pi r^2}$$
 Note:

Note: The estimation distance is 20cm.

Note: Reading result see the test report 23032013ER-62.
 EIRP= Reading result - 95.2

24G: Worst case

Mode	Reading result (dBμV)	EIRP(dBm)	Tune Up Power(dBm)	Max Tune Up Power (mW)	MPE (mW/cm²)	Power Density (mW/cm2) Limit	Result
Radar	109.11	13.91	14±1(15)	31.623	0.006291	1.0	PASS

Note: $Pd = \frac{P_{out} * G}{4\pi r^2}$

Note: The estimation distance is 20cm.

Note: Reading result see the test report 23032013ER-67.
EIRP= Reading result - 95.2

WCDMA/LTE: Worst case

Mode	Frequency (MHz)	Output Power (Turn-up Procedure)		Antenna Gain (Numeric)	Power Density At 20 cm (mW/cm ²)	Power Density Limit (mW/cm ²)	Test Results
		dBm	mW				
WCDMA Band II	1852.4	11.36	13.677	0.0643	0.00017	1.000	PASS
WCDMA: Band IV	1712.4	16.68	46.559	0.1986	0.00184	1.000	PASS
WCDMA: Band V	826.4	11.77	15.031	0.0605	0.00018	0.551	PASS
LTE Band 2	1880.0	26.95	495.45	0.0643	0.00634	1.000	PASS
LTE Band 4	1732.5	26.05	402.717	0.2009	0.01610	1.000	PASS
LTE Band 5	836.5	25.23	333.426	0.0605	0.00401	0.558	PASS
LTE Band 12	707.5	25.68	369.828	0.0021	0.00015	0.472	PASS
LTE Band 13	779.5	25.68	369.828	0.0083	0.00061	0.520	PASS
LTE Band 14	790.5	26.66	463.447	0.0113	0.00104	0.527	PASS
LTE Band 66	1745.0	26.09	406.443	0.2009	0.01624	1.000	PASS
LTE Band 71	680.5	24.59	287.74	0.0031	0.00018	0.454	PASS
Note: The estimation distance is 20cm. Antenna Gain: WCDMA: Band II: -11.92dBi Band IV: -7.02dBi Band V: -12.18dBi LTE: Band 2:-11.92dBi; Band 4:-6.97dBi; Band 5: -12.18dBi; Band 12: -26.81dBi; Band 13: -20.81dBi; Band 14: -19.46dBi; Band 66: -6.97dBi; Band 71: -25.04dBi, $\pi=3.14$ $Pd = \frac{P_{out} * G}{4\pi r^2}$							
Note: Output power=conducted power. Conducted power see the test report 23032013ER-65, 23032013ER-66.							

The BT, BLE and 2.4GHz WIFI cannot transmit simultaneously.

So the worst simultaneous transmitting consideration:

The ratio= $MPE_{LTE}/Limit + MPE_{2.4G\ WIFI}/Limit + MPE_{5G\ WIFI}/Limit + MPE_{24G\ Radar}/Limit$
 $=0.01610/1.00+0.017731/1.00+0.003960/1.00+0.006291/1.00=0.044082 < 1.00$

-----The End-----